

Claims:

1. A method for the remote-controlled testing of a specimen (PRÜ), wherein the data at the control unit (STR) and at the specimen
- 5 (PRÜ) is present in a format that corresponds to a transmission protocol used for the unsecured transmission of data, characterized in that
- the data which, when transmitted, is present in the format corresponding to the transmission protocol used for the unsecured
 - 10 transmission of data is converted to a format corresponding to a transmission protocol used for the secured transmission of data,
 - the data is conveyed according to the transmission protocol used for the secured transmission of data, and in that
 - the data is converted back, prior to reception, to a format corresponding to the transmission protocol used for the unsecured
 - 15 transmission of data.
2. The method according to claim 1, characterized in that
- 20 - the User Datagram Protocol (UDP) is provided as the transmission protocol used for the unsecured transmission of data,
 - the Transmission Control Protocol (TCP) is provided as the transmission protocol used for the secured transmission of data,
 - the data which, when transmitted, is present in a format corresponding to the User Datagram Protocol (UDP) is converted to a
 - 25 format corresponding to the Transmission Control Protocol (TCP),
 - the data is conveyed according to the Transmission Control Protocol (TCP), and in that
 - the data is converted back, prior to reception, to a format corresponding to the User Datagram Protocol (UDP).
 - 30

3. The method according to claim 2,
c h a r a c t e r i z e d i n t h a t
conversion from the unsecured to the secured transmission of data
and vice versa takes place in a traffic reliabler device (TRD).

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4. The method according to one of claims 2 to 3,
c h a r a c t e r i z e d i n t h a t
data which is present in the User Datagram Protocol (UDP) is
packed into a data packet according to the Transmission Control
10 Protocol (TCP).

5. An arrangement for carrying out all the steps of a method ac-
cording to one of claims 1 to 4,

c h a r a c t e r i z e d i n t h a t

- 15 - arranged between the control unit (STR) and specimen (PRÜ) are
two modules for converting the data from a format corresponding
to the transmission protocol used for the unsecured transmission
of data to a format corresponding to a transmission protocol
used for the secured transmission of data, and vice versa, and
20 in that
- arranged between said two modules is a data transmission line
for transmitting data according to the transmission protocol
used for the secured transmission of data.

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6. The arrangement according to claim 5,

characterized in that

- traffic reliabler devices (TRD) are provided as modules,
- two traffic reliabler devices (TRD) are arranged between the
- 5 control unit (STR) and specimen (PRÜ), and
- a data transmission line for transmitting data according to the Transmission Control Protocol (TCP) is arranged between said two traffic reliabler devices (TRD).

10 7. The arrangement according to claim 6,

characterized in that

one traffic reliabler device (TRD) is arranged directly at the site of the control unit (STR) and one directly at the site of the specimen (PRÜ).